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TITLE: INCORPORATING STRUCTURE OF HEAT EXCHANGER

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INVENTOR-INFORMATION:

NAME COUNTRY
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ABSTRACT:

PURPOSE: To facilitate the manufacture of a heat exchanger by a method wherein respective jigs are contacted with the constituting members of the heat exchanger at only retaining holes and the jigs can be separated from a side wall or a reinforcing plate easily even when the jigs are connected to the side wall or the reinforcing plate.

CONSTITUTION: Upon incorporating a heat exchanger in a car cooler or the like, heat exchanging fins 30 are arranged on the upper and lower surfaces of respective heat exchanging tubes 20 at first and respective reinforcing plates 40 are arranged on the upper and lower surfaces of the heat exchanging fins 30 at upper and lower parts respectively. Then, respective heat exchanging tubes 20 are inserted into the connecting holes of the connecting plate 12 in respective parts to incorporate the whole of the heat exchanger temporarily. Next, both of the upper and lower ends 60a of the jig 60 are arranged so as to be inserted into the predetermined retaining holes 42 of the reinforcing plate 40 whereby the heat exchanger is pinched from upper- and-lower direction. Next, the tip ends of respective rod bodies 51, 52 of respective jigs 50, whose interval is regulated by a regulating fitting 53, are into the predetermined retaining holes 15 of respective headers 10 to finish the temporarily retaining works of the heat exchanger while the temporarily assembled body is brazed in a welding furnace.

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